

IN THE CLAIMS:

1. (Currently Amended) A remote signaling receiver system comprising:

a first transmitter device that generates at least a first wireless communication signal;

a second transmitter device that generates at least a second wireless communication signal; and

a receiver that receives the first and second signals, the receiver including a first demodulator for processing the first signal and a second demodulator for processing the second signal, the receiver is programmed to process all received signals using one of the demodulators and only when a received signal output is not discernible from the one demodulator to process the received signal using the other demodulator.
2. (Original) The system of claim 1, wherein the second device and the receiver are supported on a vehicle and the sensor device signal provides information regarding a condition of a selected vehicle component.
3. (Original) The system of claim 2, wherein the sensor device includes a tire condition sensor and the sensor signal provides information regarding at least one condition of at least one of the vehicle tires selected from the group of tire pressure, tire temperature, tire thickness and acceleration.

4. (Original) The system of claim 1, wherein the first transmitter device is a portable keyless entry signaling device, the first demodulator is an ASK demodulator and the second demodulator is a demodulator that is not affected by amplitude modulation on the second signal.

5. (Cancelled)

6. (Currently Amended) The system of claim 1, wherein the first transmitter device signal has a first baud rate and the ~~sensor~~second transmitter device signal has a second baud rate that is at least two times higher than the first baud rate.

7. (Cancelled)

8. (Cancelled)

9. (Original) A vehicle remote keyless entry system comprising:
a portable transmitter that generates a wireless communication signal;
at least one sensor device supported relative to a component on the vehicle
that senses a condition of the component and generates a wireless communication signal; and
a receiver supported on the vehicle that receives the transmitter signal and the
sensor signal, the receiver including a first demodulator for processing the transmitter signal
and a second demodulator for processing the sensor signal.
10. (Original) The system of claim 9, wherein the sensor device includes a tire
condition sensor and the sensor signal provides information regarding a condition of at least
one of the vehicle tires.
11. (Original) The system of claim 9, wherein the first demodulator is an ASK
demodulator and the second demodulator is a demodulator that is not sensitive to amplitude
modulation.
12. (Original) The system of claim 11, wherein the second demodulator is a FSK
demodulator.

13. (Original) The system of claim 9, wherein the receiver is programmed to process all received signals using one of the demodulators and only when a received signal output is not discernable from the one demodulator to process the received signal using the other demodulator.

14. (Original) The system of claim 9, wherein the transmitter signal has a first baud rate and the sensor signal has a second baud rate that is at least two times higher than the first baud rate.

15. (Original) The system of claim 9, wherein the receiver includes a microprocessor that is programmed to receive the transmitter signal on a first channel and the sensor signal on an image channel.

16. (New) A remote signaling receiver system, comprising:
- a first transmitter device that generates at least a first wireless communication signal that has a first baud rate;
 - a second transmitter device that generates at least a second wireless communication signal that has a second baud rate that is at least two times higher than the first baud rate; and
 - a receiver that receives the first and second signals, the receiver including a first demodulator for processing the first signal and a second demodulator for processing the second signal.
17. (New) The system of claim 16, wherein the second transmitter device and the receiver are supported on a vehicle and the sensor device signal provides information regarding a condition of a selected vehicle component.
18. (New) The system of claim 17, wherein the sensor device includes a tire condition sensor and the sensor signal provides information regarding at least one condition of at least one of the vehicle tires selected from the group of tire pressure, tire temperature, tire thickness and acceleration.

19. (New) The system of claim 16, wherein the first transmitter device is a portable keyless entry signaling device, the first demodulator is an ASK demodulator and the second demodulator is a demodulator that is not affected by amplitude modulation on the second signal.

20. (New) The system of claim 16, wherein the receiver is programmed to process all received signals using one of the demodulators and only when a received signal output is not discernible from the one demodulator to process the received signal using the other demodulator.